

Stamp: OIPE JC59
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DATE OF TRANSFER

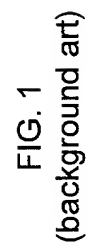
[illegible]

FIG. 1



Cheng et al.
Dual Match-Line, Twin-Cell, Binary-Ternary
CAM
S/N 10/064,770
Atty. Docket #60409.300301

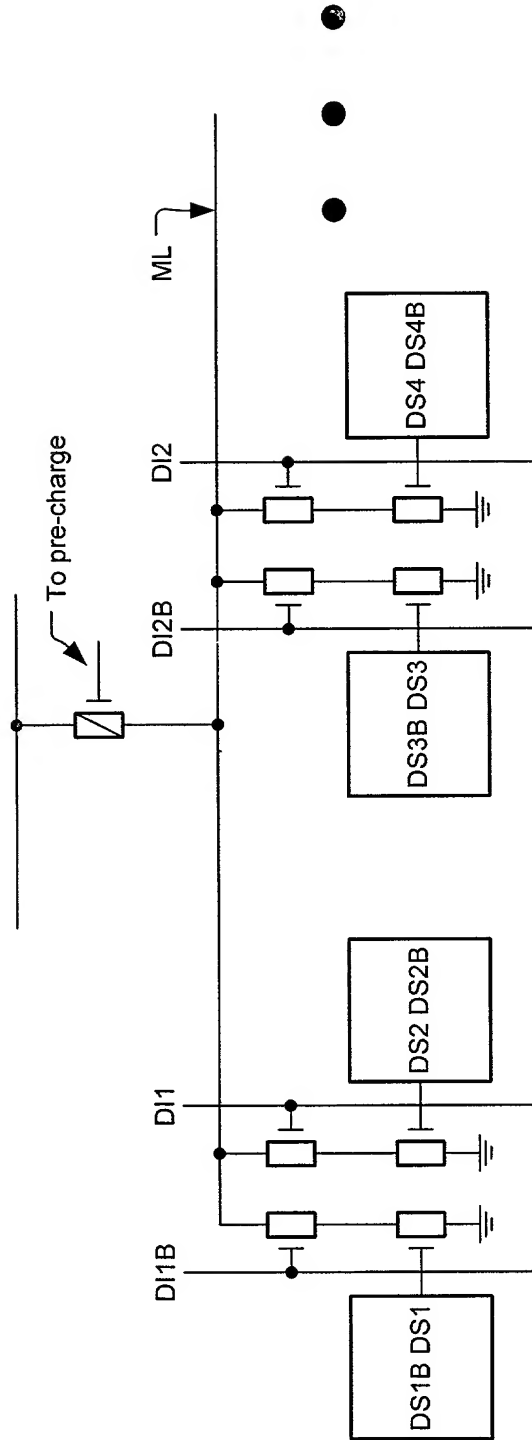


FIG. 2
(background art)



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CAM
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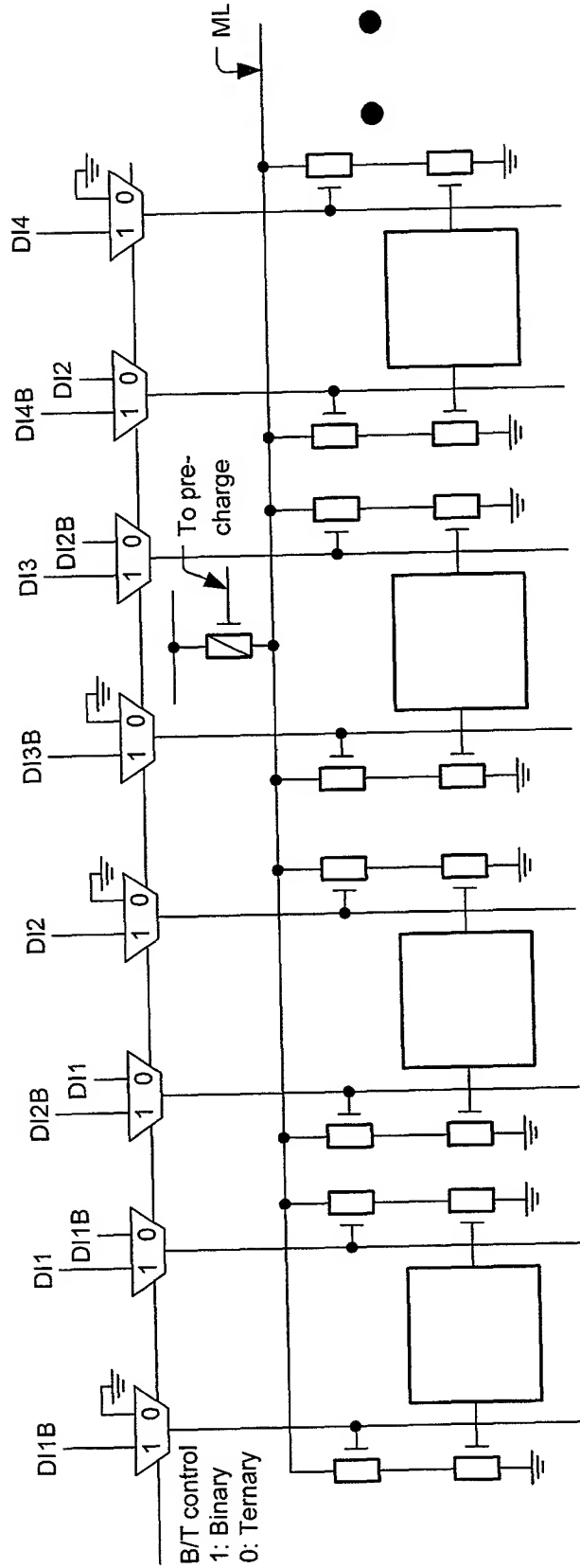


FIG. 3

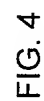
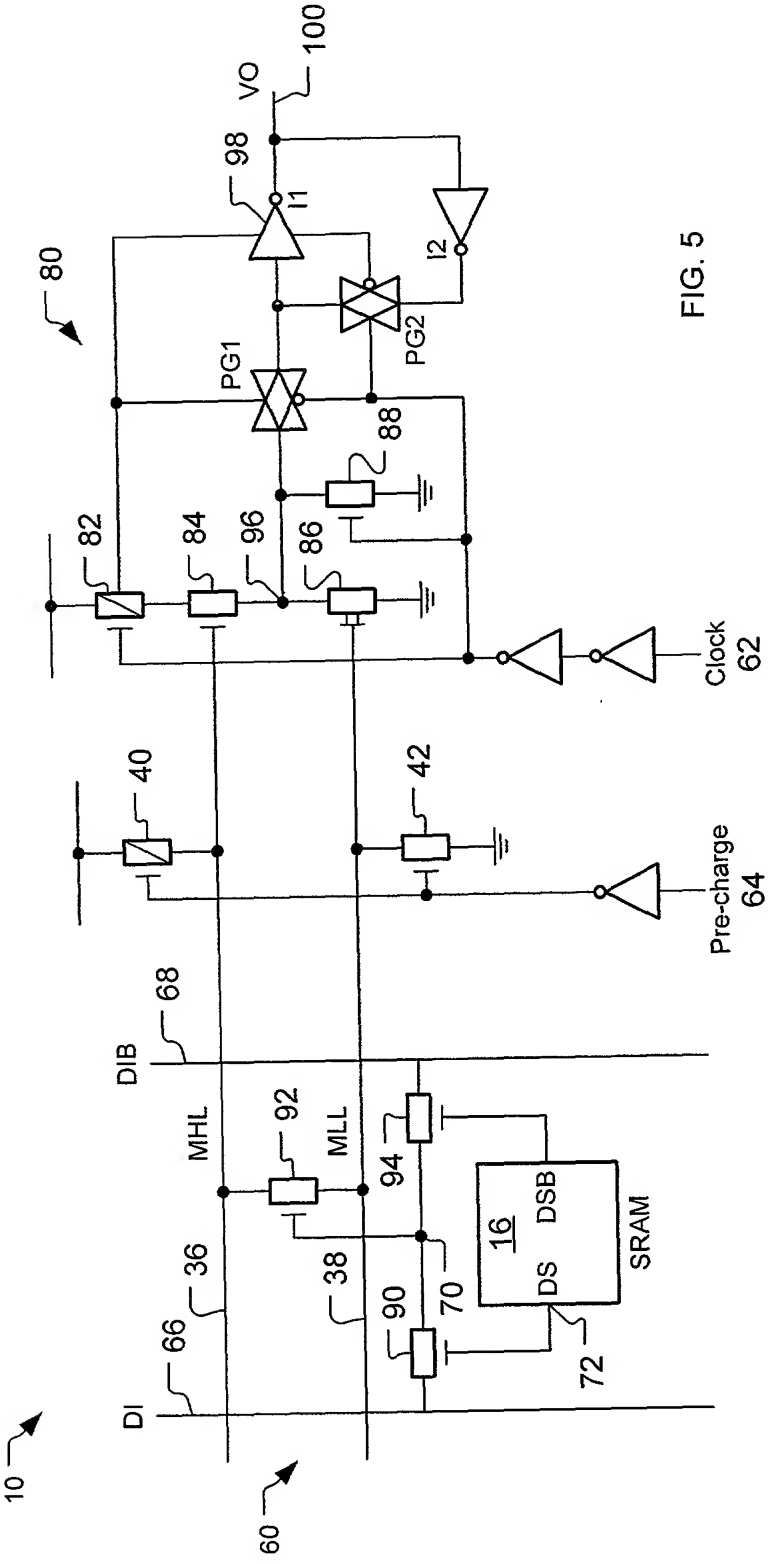
[illegible]

FIG. 4

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3-phase comparison cycle
Phase1: Data input phase
Phase2: Comparison phase
Phase3: Sampling phase

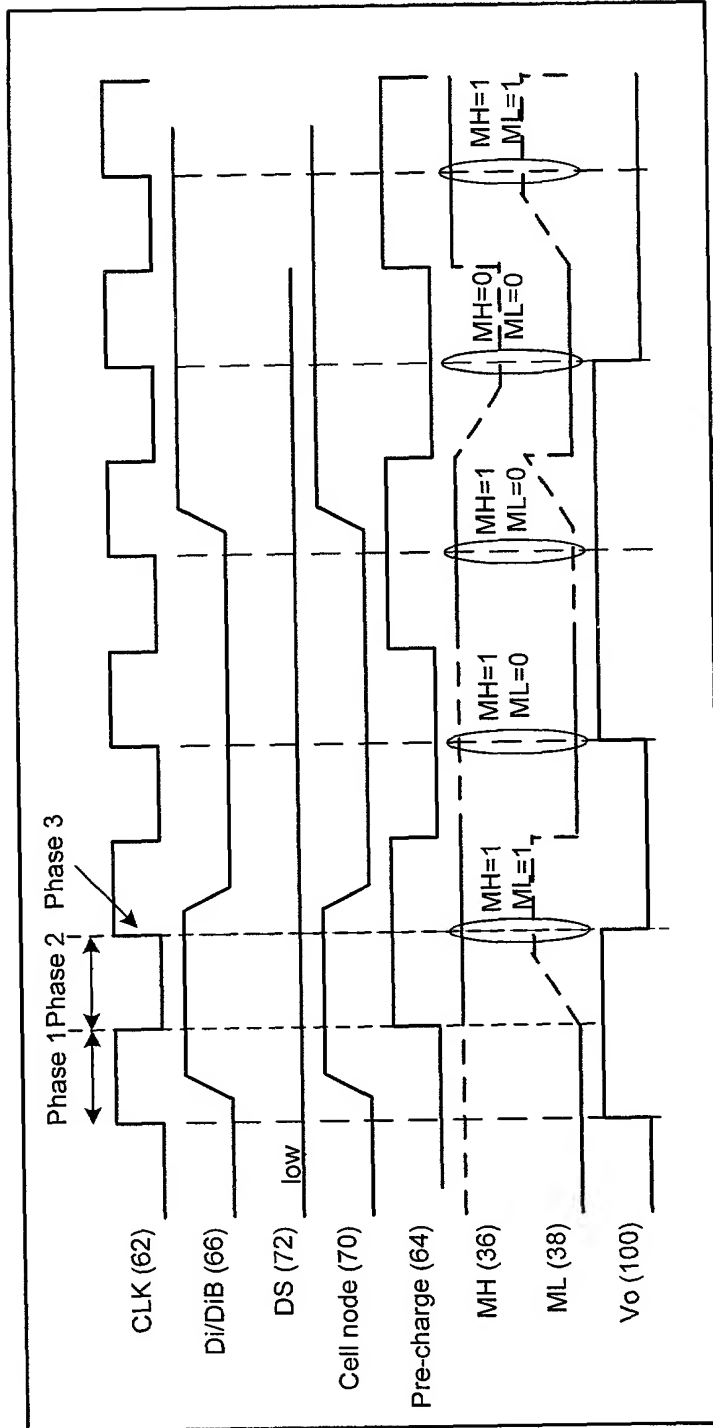


FIG. 6

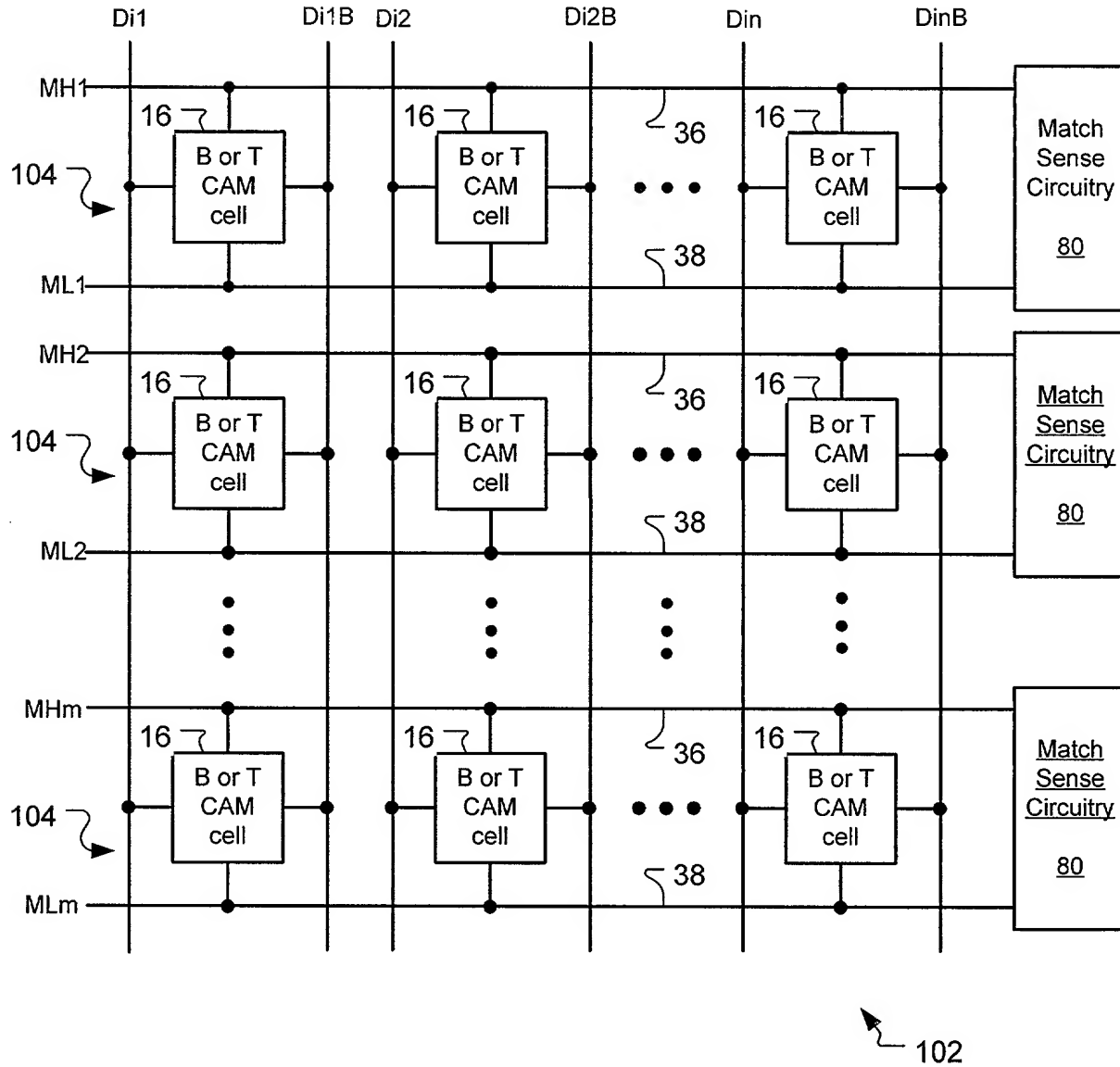
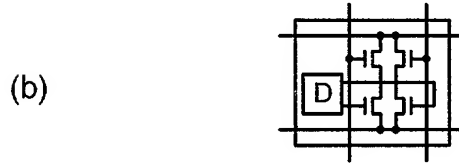
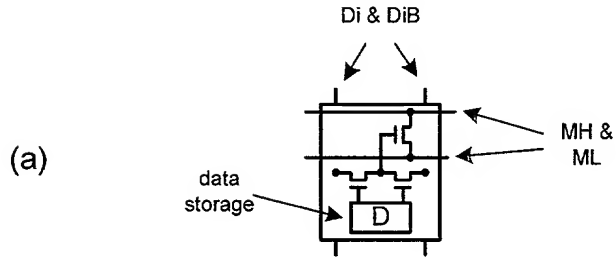


FIG. 7



Binary CAM cell examples

Ternary CAM cell examples

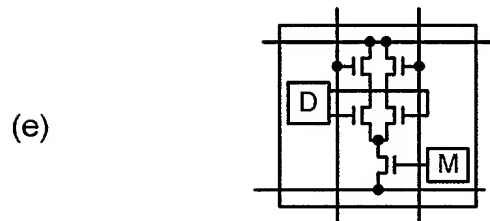
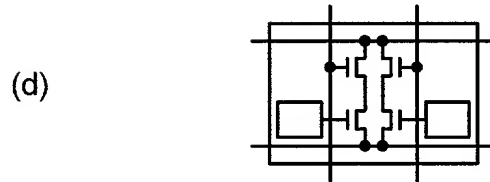
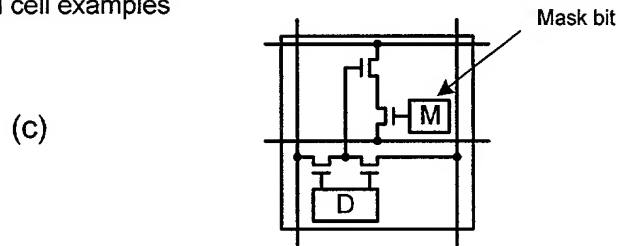


FIG. 8